

FIG. 1 is a schematic diagram of a network architecture. The diagram shows a central cloud 30 connected to two main horizontal lines, 12 and 18. Line 12 is at the top and line 18 is at the bottom. Both lines have arrows pointing to the right, indicating data flow. On line 12, there are four server racks 16 connected by a vertical line. On line 18, there are four server racks 14 connected by a vertical line. A central cloud 30 is connected to both lines. A label 20 is placed near the cloud 30. A label 22 is placed near the bottom line 18. A label 10 is placed near the top line 12. A label 11 is placed near the bottom line 18.

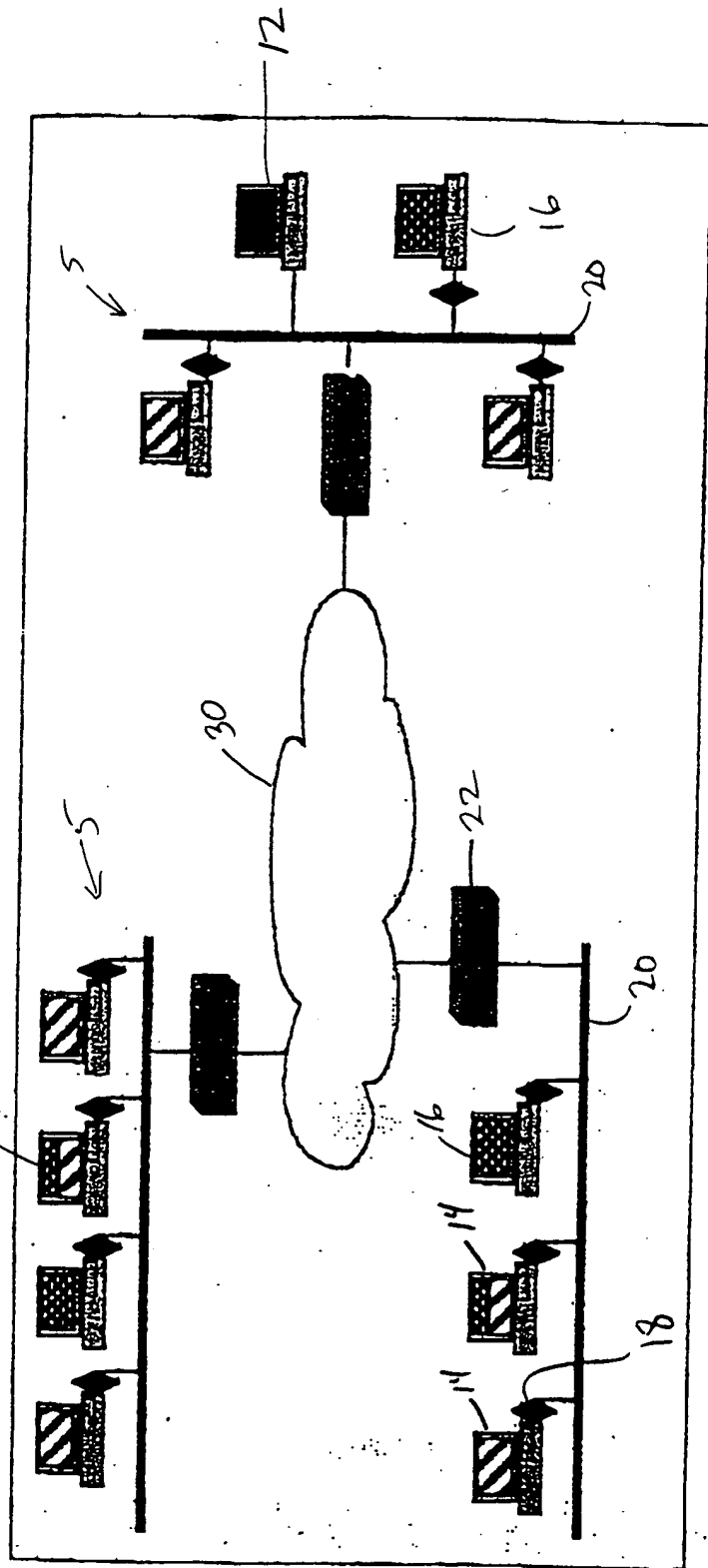


Fig 1

Figure 2

FIG. 3 is a block diagram of a network system. The system includes a Network Security Controller (NSC) 12, an Ethernet LAN 14, a Router 22, a TIR LAN 16, and Ethernet 2 LAN 18. The NSC 12 is connected to the Ethernet LAN 14. The Ethernet LAN 14 includes hosts H1, H2, H3, and H4, and servers TS and S-TS. The Router 22 is connected to the Ethernet LAN 14 and the TIR LAN 16. The TIR LAN 16 includes hosts H5, H6, H7, H8, H9, and H10, and servers TS and S-TS. The Router 22 is also connected to the Ethernet 2 LAN 18. The Ethernet 2 LAN 18 includes hosts H11 and H12, and servers TS and S-TS. The Router 22 is connected to the Internet 30. The Internet 30 is connected to the Router 22 and the Ethernet 2 LAN 18.

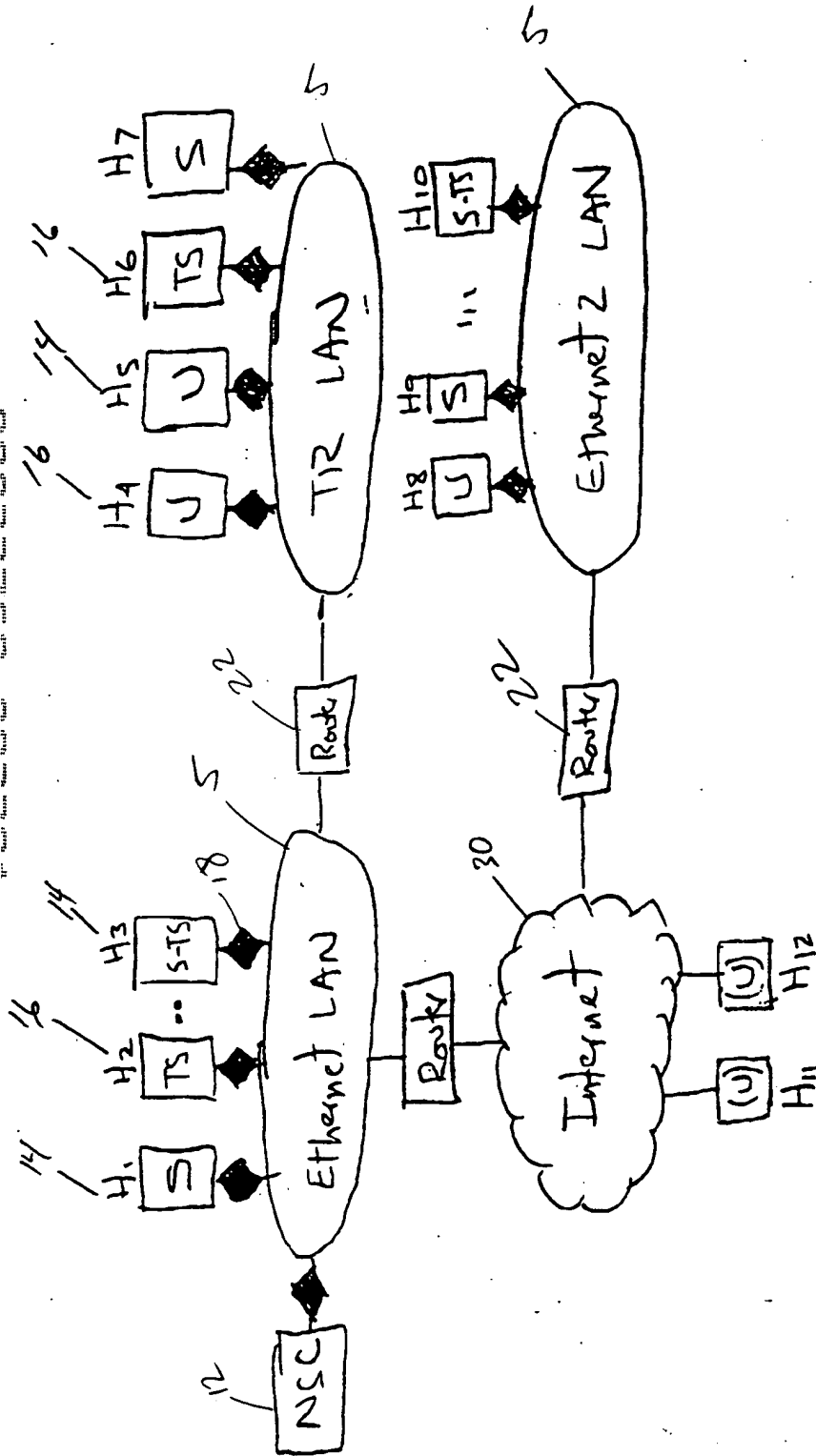


Figure 3

Figure 4 is a block diagram of a network architecture. The diagram shows a central processing unit (CPU) connected to a network of nodes. The nodes are organized into three regions: Region A, Region B, and Region C. Region A contains nodes 20 and 30. Region B contains nodes 12, 13, and 14. Region C contains nodes 15, 16, and 17. The CPU is connected to nodes 12, 13, and 14. The nodes are connected to each other in a mesh topology. The diagram also shows a set of users connected to the network. The users are connected to nodes 15, 16, and 17. The diagram is labeled "Figure 4" at the bottom.

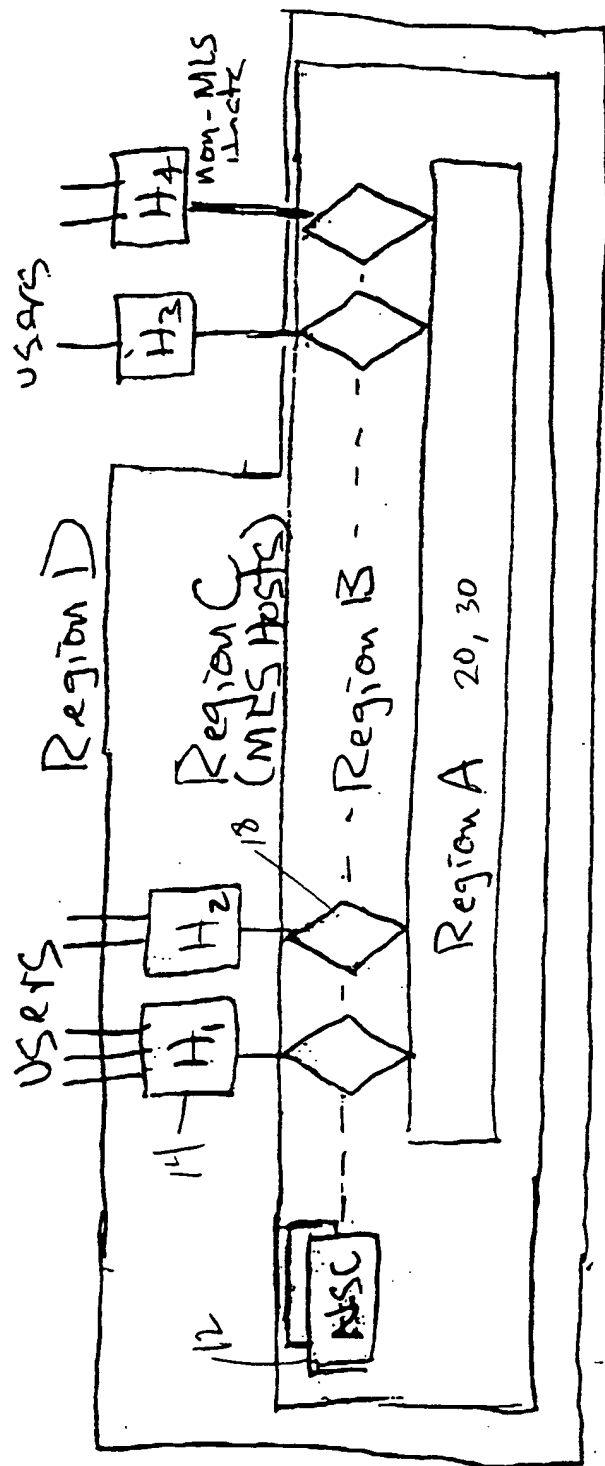
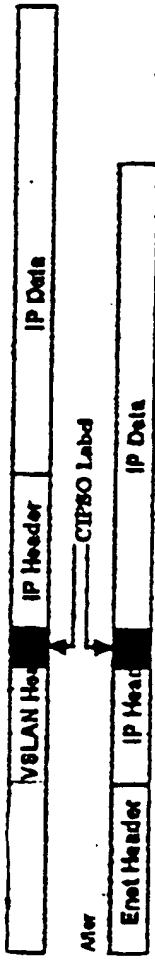


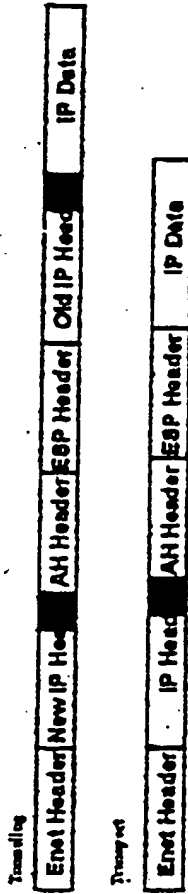
Figure 4

Layers 3  
Layer 3  
Layers 1-2

• CIPSO Labelling



• Host to Host Communication



• Control Communication

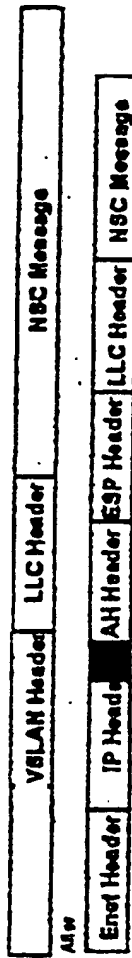


Figure 5

## 256 Levels

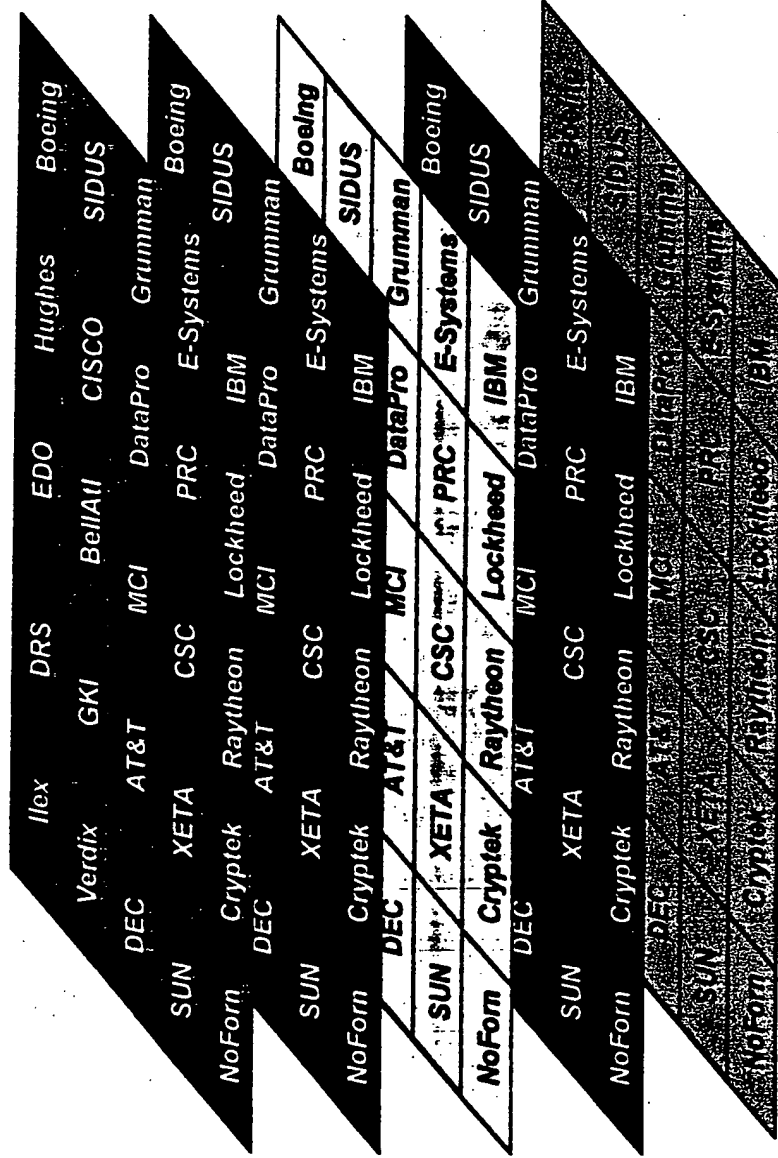
## Top Secret

## Secret

## Proprietary

## SBU

## Unclassified



65,535 Categories

Figure 6

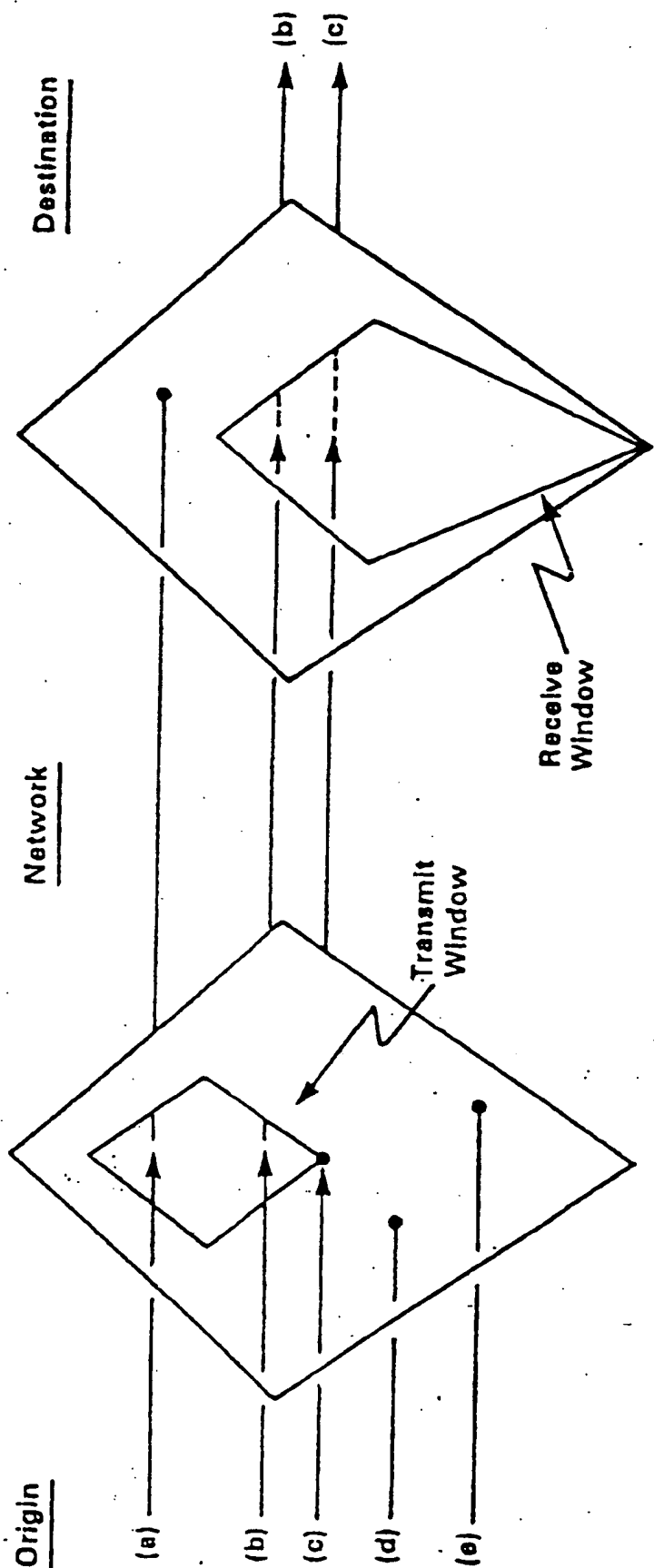
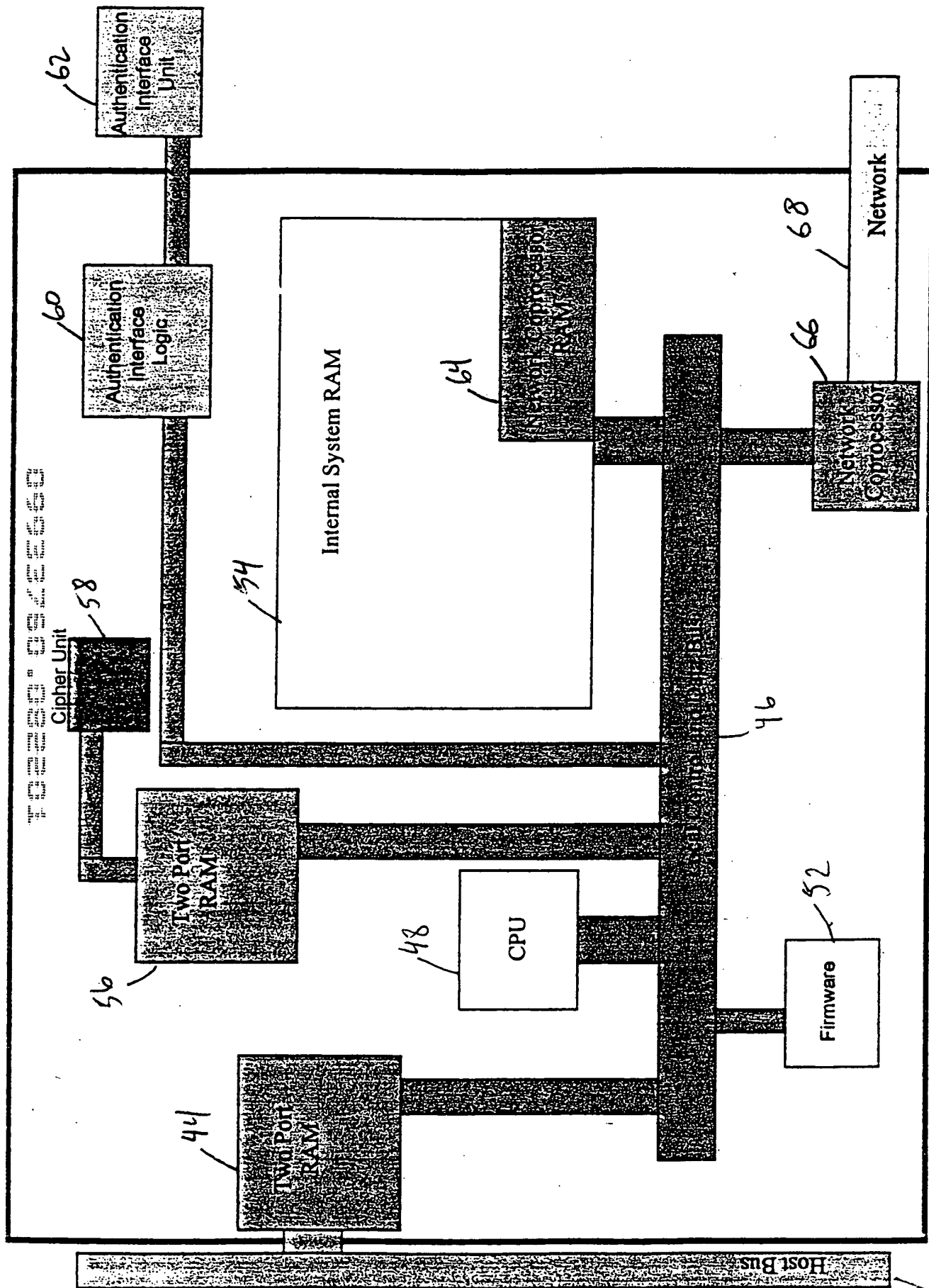


Figure 7





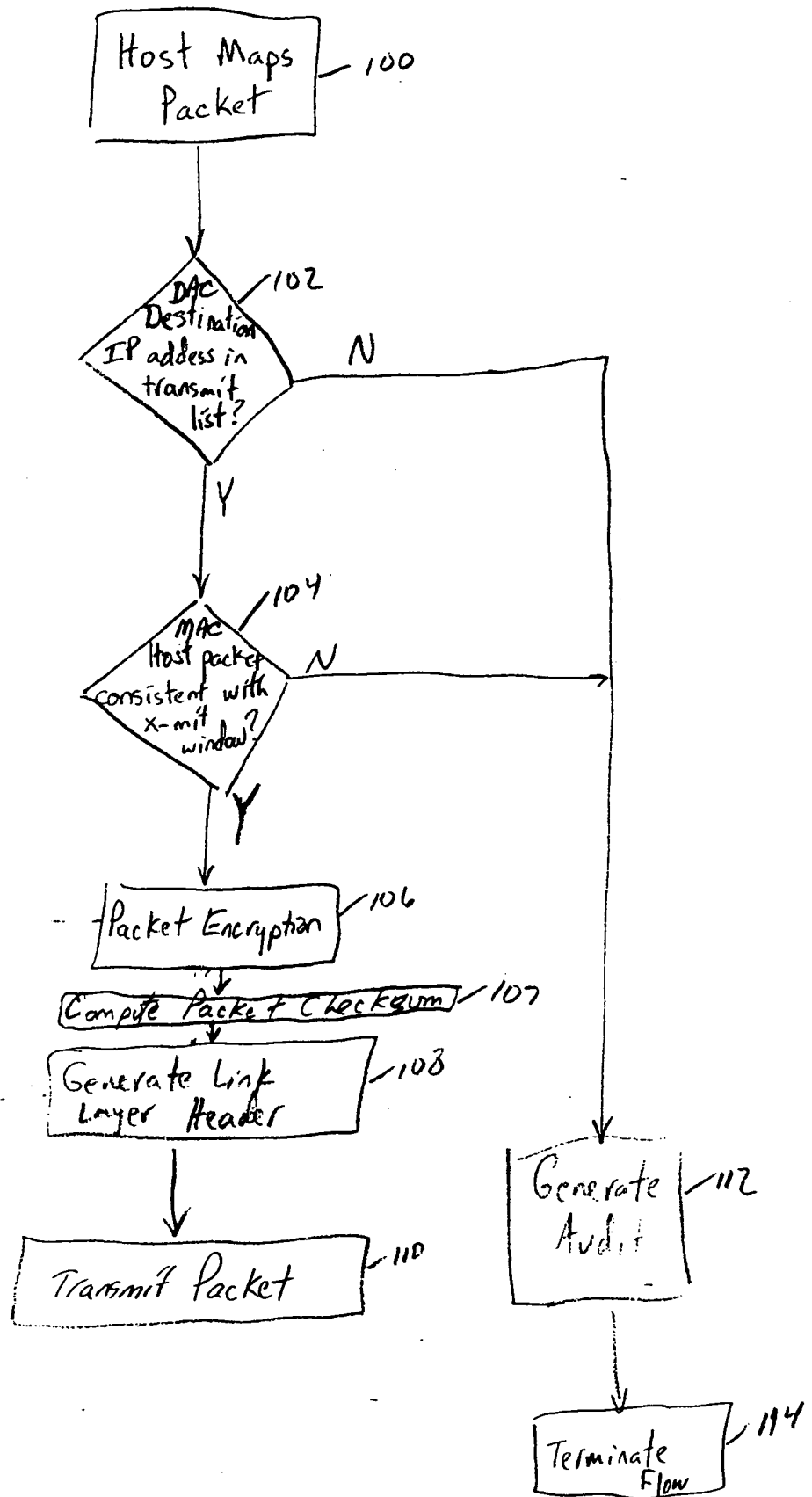


Fig. 9

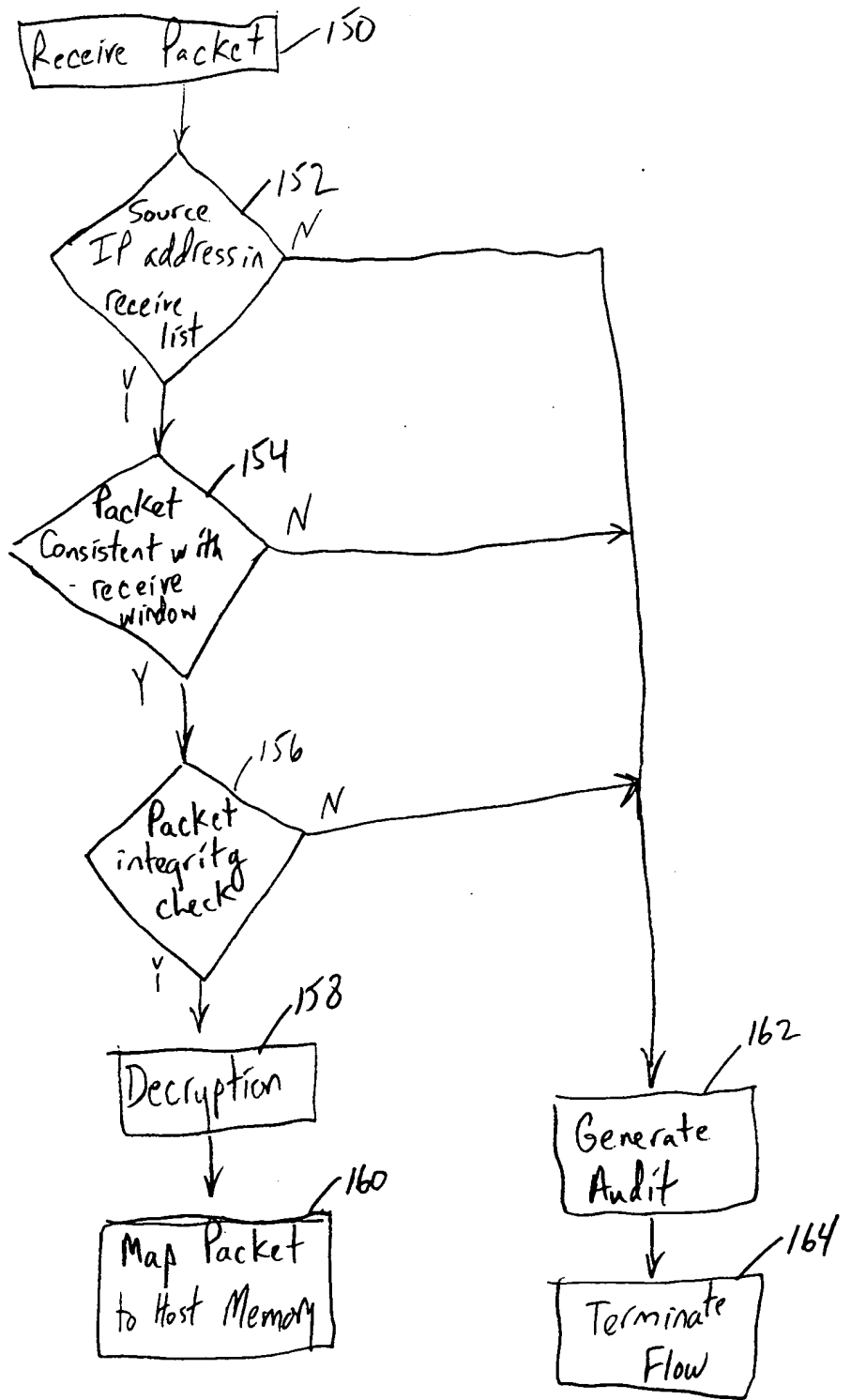
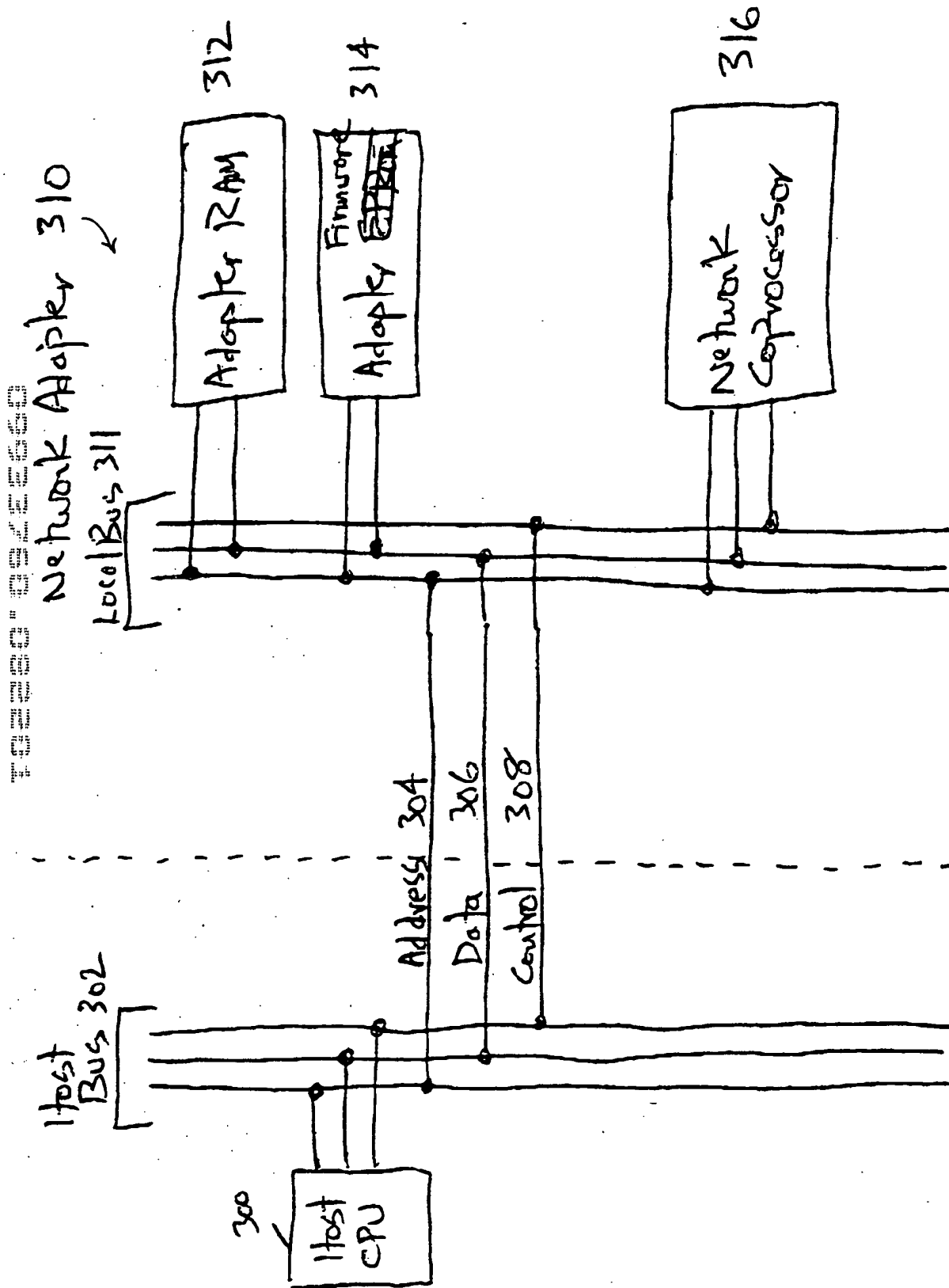


Fig. 10



Prior Art

Figure 11

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Host Bus 302

Security Device - 310

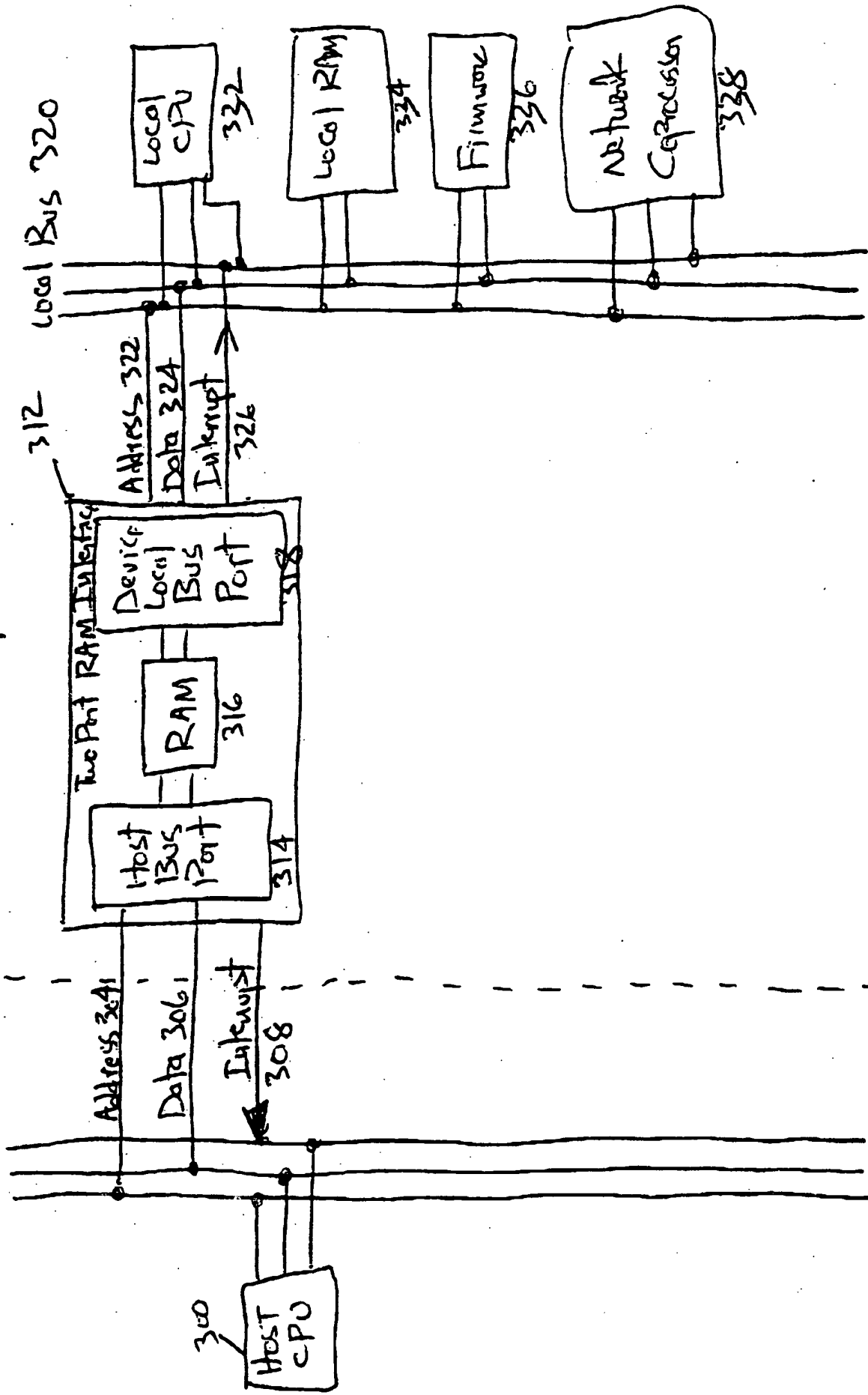


Fig 12-

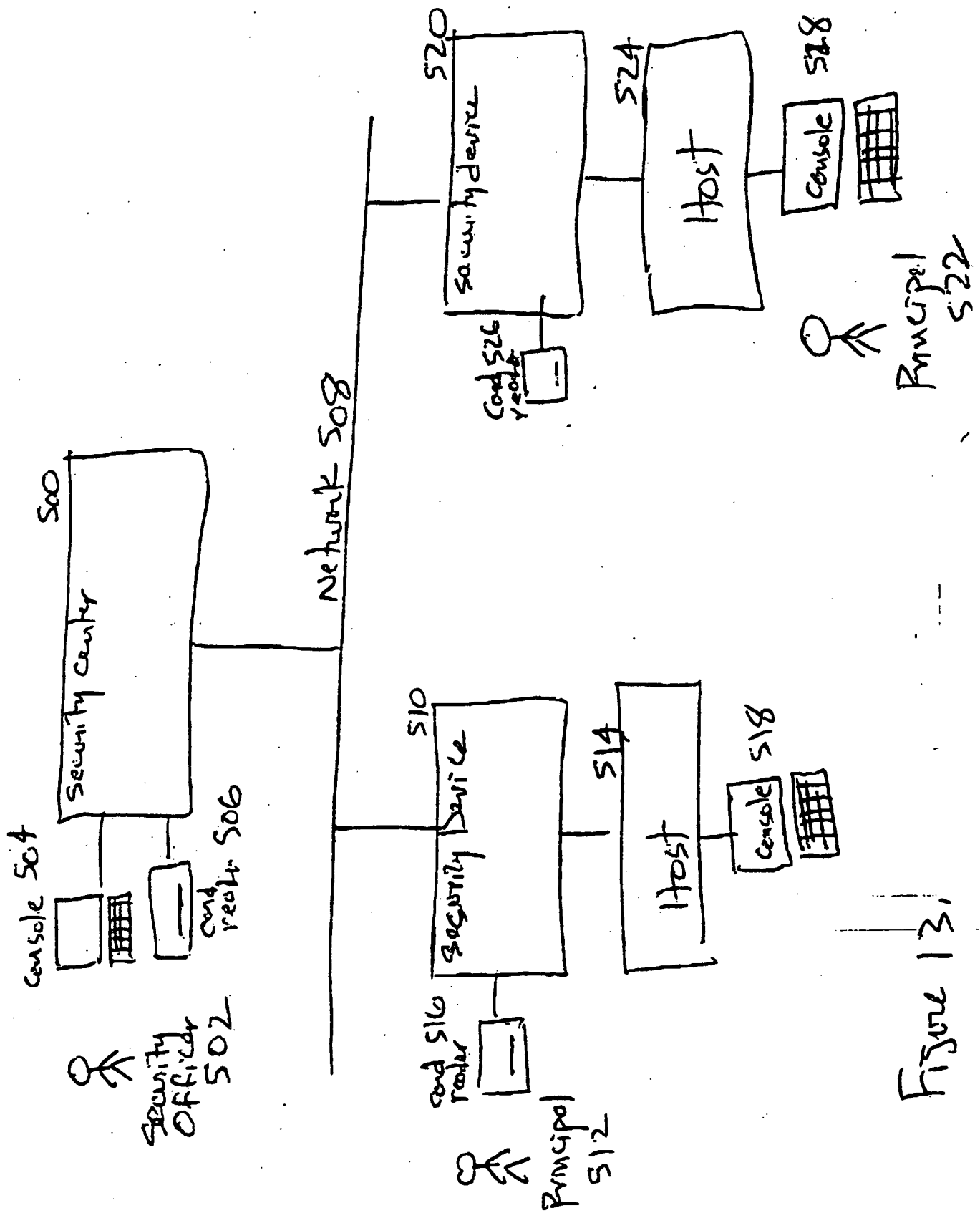


Figure 13,

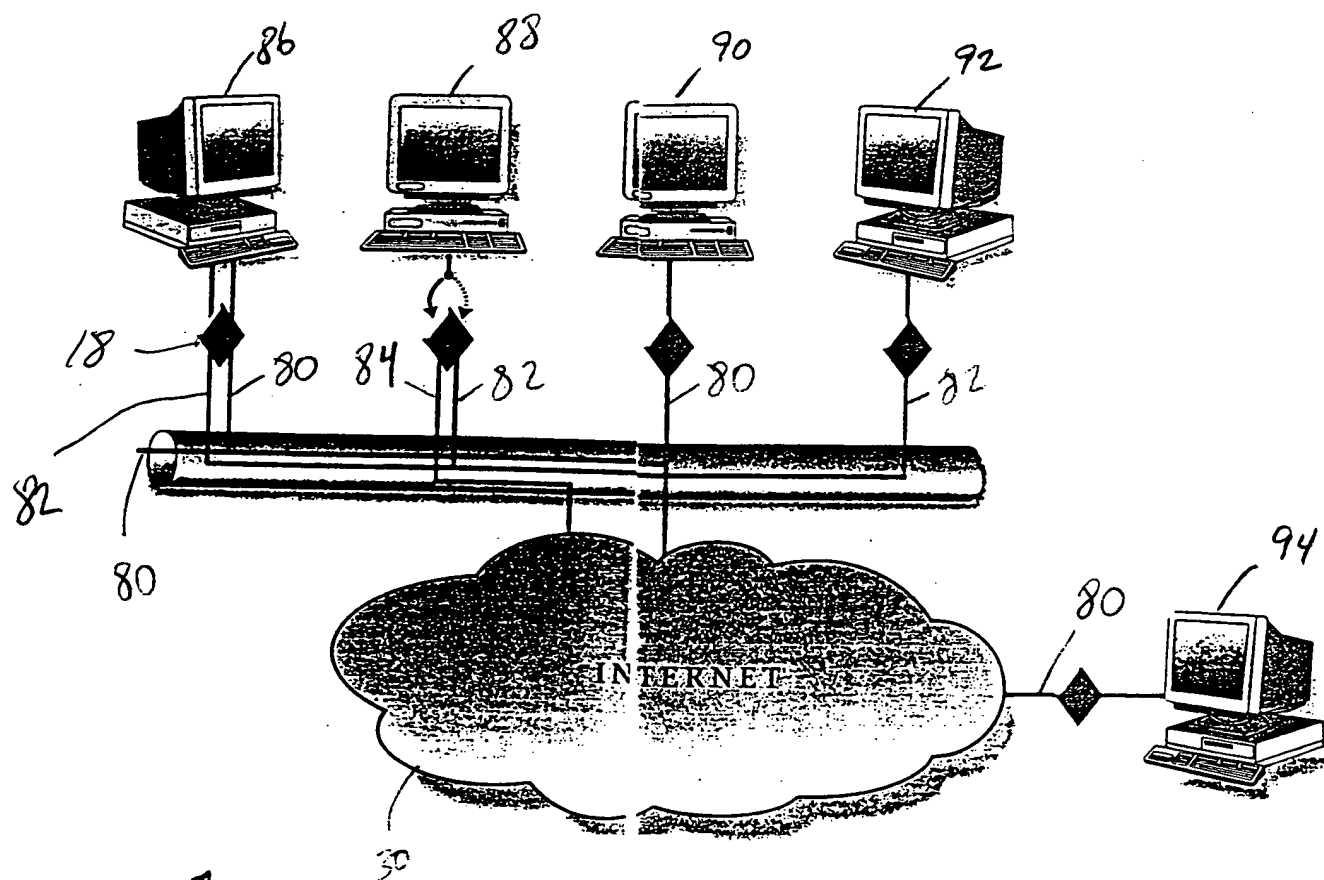


Fig. 14